

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

17559

In Re Application Of: **Alfleen Bongso, et al.**

Application No.

10/811,694

Filing Date

March 29, 2004

Examiner

Unassigned

Customer No.

23389

Group Art Unit

1632

Confirmation No.

1367

Title: **METHODS OF DERIVATION AND PROPOGATION OF UNDIFFERENTIATED HUMAN EMBRYONIC STEM (HES) CELLS ON FEEDER-FREE MATRICES AND HUMAN FEEDER LAYERS**

Address to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.

17559

In Re Application: Ariffen Bongso, et al.

FEB 11 2005

| Application No. | Filing Date    | Examiner   | Customer No. | Group Art Unit | Confirmation No. |
|-----------------|----------------|------------|--------------|----------------|------------------|
| 10/811,694      | March 29, 2004 | Unassigned | 23389        | 1632           | 1367             |

Title: **METHODS OF DERIVATION AND PROPOGATION OF UNDIFFERENTIATED HUMAN EMBRYONIC STEM (HES) CELLS ON FEEDER-FREE MATRICES AND HUMAN FEEDER LAYERS**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **19-1013/SSMP** as described below.
- ☐ Charge the amount of \_\_\_\_\_
- ☐ Credit any overpayment.
- ☒ Charge any additional fee required.
- ☐ Payment by credit card. Form PTO-2038 is attached.

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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February 9, 2005

(Date)

Signature of Person Mailing Correspondence

Xiaochun Zhu

Typed or Printed Name of Person Mailing Certificate

\*This certificate may only be used if paying by deposit account.

Dated: February 9, 2005

Xiaochun Zhu

Registration No. 56,311

Scully, Scott, Murphy &amp; Presser

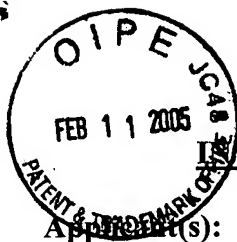
400 Garden City Plaza-STE 300

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CC: XZ:ab

EPW



**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant(s):** Ariffeen Bongso, et al.

**Examiner:** Unassigned

**Serial No:** 10/811,694

**Art Unit:** 1632

**Filed:** March 29, 2004

**Docket:** 17559

**For:** METHODS OF DERIVATION AND  
PROPOGATION OF  
UNDIFFERENTIATED HUMAN  
EMBRYONIC STEM (HES) CELLS ON  
FEEDER-FREE MATRICES AND  
HUMAN FEEDER LAYERS

**Dated:** February 9, 2005

**Confirmation No.:** 1367

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the references, which are listed on the attached Form PTO-1449, be made of record in the above-identified case.

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 9, 2005.

**Dated:** February 9, 2005

  
Xiaochun Zhu

The references were cited in an International Search Report dated November 28, 2002 and an International Preliminary Examination Report dated January 12, 2004. Applicants are submitting copies of Reference Numbers 2 and 8, together with copies of the International Preliminary Examination Report and Search Report. Copies of Reference Numbers 1 and 3-7 are not provided as these references were submitted in an Information Disclosure Statement filed on March 29, 2004.

Consideration of this Information Disclosure Statement is respectfully requested, since the art provided may be material to the examination of the present application as defined under 37 C.F.R. §1.56.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Xiaochun Zhu', with a stylized flourish at the end.

Xiaochun Zhu

Registration No. 56,311

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Garden City, New York 11530  
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XZ:ab

**LIST OF PRIOR ART  
CITED BY APPLICANT**

(Use several sheets if necessary)

**Atty. Docket No.**  
17559**Serial No.**  
10/811,694**Applicant**  
Ariffen Bongso, et al.**Filing Date**  
March 29, 2004**Group**  
1632**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL* |    | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>(if appropriate) |
|----------------------|----|-----------------|------|------|-------|----------|---------------------------------|
|                      | AA |                 |      |      |       |          |                                 |
|                      | AB |                 |      |      |       |          |                                 |
|                      | AC |                 |      |      |       |          |                                 |

|  |    | Foreign<br>Document Number | Date      | Country | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|----------------------------|-----------|---------|-------|----------|-------------|----|
|  |    |                            |           |         |       |          | YES         | NO |
|  | 1. | WO 02/054730 A2            | 7/25/02   | PCT     |       |          |             |    |
|  | 2. | WO 01/51616 A2             | 7/19/2001 | PCT     |       |          |             |    |
|  |    |                            |           |         |       |          |             |    |
|  |    |                            |           |         |       |          |             |    |

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|  |    |  |  |  |  |  |  |  |
|--|----|--|--|--|--|--|--|--|
|  | 3. | Xu et al., "Feeder-Free Growth of Undifferentiated Human Embryonic Stem Cells", <u>Nature Biotechnology</u> 19: 971-974 (2001)   |  |  |  |  |  |  |
|  | 4. | Lebkowski et al., "Human Embryonic Stem Cells: Culture, Differentiation, and Genetic Modification for Regenerative Medicine Applications", <u>The Cancer Journal</u> 7: S83-S93 (2001) |  |  |  |  |  |  |
|  | 5. | Richards et al., "Human Feeders Support Prolonged Undifferentiated Growth of Human Inner Cell Masses and Embryonic Stem Cells", <u>Nature Biotechnology</u> 20: 933-936 (2002)         |  |  |  |  |  |  |
|  | 6. | Shamblott et al., "Derivation of pluripotent stem cells from cultured human primordial germ cells", <u>Proc. Natl. Acad. Sci. USA</u> 95: 13726-13731 (1998)                           |  |  |  |  |  |  |
|  | 7. | Bongso et al., "Isolation and culture of inner cell mass cells from human blastocysts", <u>Human Reproduction</u> 9(11): 2110-2117 (1994)  |  |  |  |  |  |  |
|  | 8. | Bongso et al., "The Growth of Inner Cell Mass Cells From Human Blastocysts", <u>Theriogenology</u> 41: 167 (1994) Abstract   |  |  |  |  |  |  |
|  |    |  |  |  |  |  |  |  |
|  |    |  |  |  |  |  |  |  |
|  |    |  |  |  |  |  |  |  |

**EXAMINER****DATE CONSIDERED**

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.